



GRANT'S ANT CONTROL

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MATERIAL SAFETY DATA SHEET

CAS NO. 1327-53-3
DATE: January 24, 2003

EMERGENCY TELEPHONE:

PRODUCT IDENTIFICATION	TRADE NAME: GRANT'S ANT CONTROL		
	SYNONYMS: GRANTS KILLS ANTS, Arsenic Trioxide, As ₂ O ₃		
	CHEMICAL FAMILY:		
	MOLECULAR FORMULA:		
	MOLECULAR WEIGHT:		
	USAGE: Insecticide		
WARNING STATEMENTS	CAUTION		
	KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing.		
INGREDIENTS	COMPONENT	CAS. NO.	PEL/TLV
	Arsenic Trioxide	1327-53-3	0.46%
	Inerts		99.54%
PHYSICAL PROPERTIES	APPEARANCE AND		
	ODOR:	Odorless, semi-solid (gelatinous)	
	BOILING POINT:	N/A	
	MELTING POINT:	N/A	
	VAPOR PRESSURE:	N/A	
	BULK DENSITY:	130 lb/cu ft	
	SPECIFIC GRAVITY:	N/A	
	VAPOR DENSITY:	N/A	
	% VOLATILITY (BY VOL.):	N/A	
	OCTANOL / H ₂ O		
	PARTITION COEF:	N/A	
	PH:	N/A	
	SATURATION IN		
	AIR (BY VOL.):	N/A	
	EVAPORATION RATE:	N/A	
	SOLUBILITY IN WATER:	Not soluble.	

FIRE AND EXPLOSION HAZARD INFORMATION	FLASH POINT:	Non-combustible		
	FLAMMABLE LIMITS (% BY VOL.):	N/A		
	AUTOIGNITION TEMP:	N/A		
	DECOMPOSITION TEMP:	N/A		
	FIRE EXTINGUISHING MEDIA:	Use water, foam, carbon dioxide, or dry chemical, to extinguish fires.		
	FIRE CONTROL TACTICS:	Fire may cause arsenic trioxide to vaporize producing a highly toxic and irritant vapor of arsenic trioxide. Use water spray carefully so as not to create dust clouds. Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent material run-off.		
	REACTIVITY DATA	STABILITY:	Stable.	
	CONDITIONS TO AVOID:	Avoid placing near high temperature.		
	POLYMERIZATION:	Will not occur.		
	INCOMPATIBLE MATERIALS:	Contact of arsenic trioxide with zinc, aluminum or brass under moist conditions may lead to the generation of arsine gas which is highly toxic and can be fatal if inhaled.		
HAZARDOUS DECOMPOSITION PRODUCTS:	Violent reaction may occur if arsenic trioxide comes into contact with oxidizing agents.			
HEALTH HAZARD INFORMATION	ROUTE(S) OF ENTRY:	Inhalation No	Skin Yes	Ingestion Yes
	ACUTE & CHRONIC: INGESTION - Harmful if swallowed. SKIN - Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.			
FIRST AID:				
<u>If Swallowed:</u> Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.				
<u>If Inhaled:</u> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.				
<u>If on Skin or Clothing:</u> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.				
<u>If in Eyes:</u> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control Center or doctor for treatment advice.				

EXPOSURE CONTROL METHODS	<p>During the formulation of this product, use the following recommended industrial hygiene practices.</p> <p><u>Personal Protective Equipment:</u> Coveralls worn over long-sleeved shirt and long pants Eye protection (goggles, face shield or safety glasses) Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C, or a NIOSH approved respirator with any N, R, P or HE filter) Socks Chemical-resistant footwear Chemical-resistant gloves</p> <p>Remove contaminated clothing/equipment, wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. For end users, use the recommended protective / equipment as prescribed by product label.</p>
SPILL OR LEAK PROCEDURES	<p>Wear appropriate protective clothing and personal protective equipment. (See Exposure Control Methods.) Keep away from drains, surface and ground water, and soil. Keep all sources of ignition away from the spill, and avoid creating dusty conditions when handling this material. If heavy dusting cannot be avoided, ground all equipment.</p> <p>Shovel or sweep the spilled material into covered containers for proper disposal. If possible, reuse the material for its intended purpose.</p> <p>Rinse the spill area and any tools or implements several times with soapy water. Contain and absorb this rinsate with inert absorbents and place into the same covered container as the spilled material. Spills to the soil can be shoveled directly into covered containers for disposal. If the spill occurred to a body of water, notify the appropriate authorities downstream of the spill so that they can decide what if any further action is needed.</p> <p>Depending on local spill reporting requirements and the amount released to the environment, it may be necessary to notify the regulatory authorities.</p> <p>WASTE DISPOSAL: To avoid disposal, all attempts should be made to use the product completely, in accordance with its registered use. If this is not possible, handle with care and dispose in a safe manner. Keep all sources of ignition away and avoid creating dusty conditions when formulating this product. If heavy dusting cannot be avoided, ground all equipment. Empty containers or liners may retain some product residues. DO NOT REUSE. Rinse the container or liner as needed for disposal. Render it unusable by crushing or puncturing. Dispose of the container and any rinsate in a safe manner. Follow all applicable community, national or regional regulations regarding waste management methods.</p>

**SPECIAL
PRECAUTIONS****HANDLING AND STORAGE:**

This product is toxic to fish, birds and other wildlife. Do not apply directly to water.

DO NOT CONTAMINATE WATER, SOIL, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Store only in original container, in a dry place inaccessible to children and pets.

DISPOSAL: Place in resealable plastic bag, wrapped in newspaper and place in trash.

APPENDIX

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**